

Message Text

UNCLASSIFIED

PAGE 01 FREETO 02912 081510Z

ACTION OES-09

INFO OCT-01 AF-10 ISO-00 SOE-02 AID-05 CEA-01 CIAE-00

COME-00 DODE-00 EB-08 DOE-15 H-02 INR-10 INT-05

L-03 NSAE-00 NSC-05 OMB-01 PM-05 ICA-20 SP-02

SS-15 STR-07 TRSE-00 ACDA-12 NRC-07 (ISO) W

-----073641 092318Z /46

R 081403Z SEP 78

FM AMEMBASSY FREETOWN

TO SECSTATE WASHDC 8403

INFO AMEMBASSY CONAKRY

AMEMBASSY MONROVIA

UNCLAS FREETOWN 2912

E.O. 11652: N/A

TAGS: ENRG TECH SL

SUBJECT: COST OF ELECTRICITY PRODUCTION USING CONVENTIONAL
ENERGY SOURCES

REF: STATE 210477

1. ATTENTION: CECILE LEDSKI, OES/NET. DOLLAR/LEONE
EXCHANGE RATE SUBJECT TO FLUCTUATION. ALL FIGURES CONVERTED
AT U.S. \$1.00 EQUALS LE0.94. FOR ADDITIONAL INFORMATION
SUGGEST YOU CONTACT IDA WHICH HAS FINANCED MAJORITY OF
THIS NATION'S GENERATING CAPACITY.

2. COST OF ELECTRICITY BASED UPON TYPE OF USER:
A) DOMESTIC USER: U.S. \$9.8 CENTS PER KILOWATT HOUR
B) COMMERCIAL USER: U.S. \$11.2 CENTS PER KILOWATT HOUR
C) INDUSTRIAL USER: U.S. \$9.8 CENTS PER KILOWATT HOUR (LOW VOLTAGE)
U.S. \$7.9 CENTS PER KILOWATT HOUR (HIGH VOLT-
AGE)

3. CAPITAL COST OF GENERATING EQUIPMENT : U.S. \$1.23
MILLION PER TOTAL KILOWATT CAPACITY.
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COST BEAKDOWN:

U.S. \$1.17 MILLION GNERATED BY FUEL

U.S. \$0.06 MILLION GENERATED BY HYDRO-POWER

4. TOTAL COST: U.S. \$7.05 MILLION FOR NETWORK OF 155
KILOMETERS-MAJORITY OF INSTALLATIONS UNDERGROUND-WITH

CAPACITY OF 9,200 KILOWATTS. RETURN ON INVESTMENT
ESTIMATED AT 10 TO 12 PERCENT.

5. LOAD FACTOR OF EQUIPMENT:0.6

6. COST OF FUEL: U.S. \$4.6 MILLION PER YEAR.
NORTH

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: COSTS, PRODUCTION, ENERGY
Control Number: n/a
Copy: SINGLE
Draft Date: 08 sep 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978FREETO02912
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D780368-0555
Format: TEL
From: FREETOWN
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780990/aaaacwfe.tel
Line Count: 69
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: aab8de55-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 78 STATE 210477
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 29 mar 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: N/A
Review Release Event: n/a
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Review Withdrawn Fields: n/a
SAS ID: 1510282
Secure: OPEN
Status: NATIVE
Subject: COST OF ELECTRICITY PRODUCTION USING CONVENTIONAL ENERGY SOURCES
TAGS: ENRG, TECH, SL
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/aab8de55-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
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